

## Patent Abstracts of Japan

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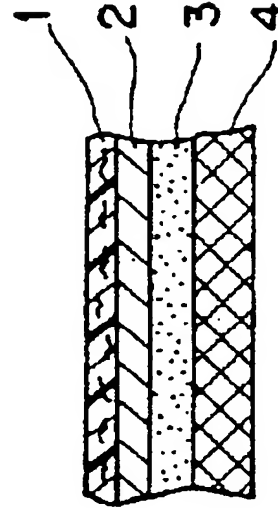
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TITLE : PATTERNED SYNTHETIC RESIN  
MOLDING



**ABSTRACT :** PURPOSE: To enhance coloring and patterning effect without reducing the heat resistance and strength of a surface gel coat layer by providing a gel coat layer formed of a composition prepared by mixing a colored needle fiber having a specified dimension with a transparent or translucent resin and a colored reinforced layer.

CONSTITUTION: A gel coat layer is the thin synthetic resin layer formed to the surface of a product and transparent or almost transparent. A needle fiber forming patterns is mixed with this gel coat layer. As the fiber, a cellulose fiber having a diameter of 10 - 50 $\mu$ m, length of 100 - 2,000 $\mu$ m and a desired color is used. Subsequently, as the layers continuing to this colored patterned gel coat layer 1, a colored layer 2 forming the background of the patterns and a reinforced layer or colored reinforced layer 4 for securing the structural strength of a product are formed. In place of the colored layer or between the colored layer 2 and the reinforced layer 4 or as the colored reinforced layer, a compound layer 3 may be formed. Without damaging aesthetic appearance, excellent patterns are easily imparted and durability can be also provided.

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